



SEQUENCE LISTING

<100> Nadkarni, Anupama K.
Trueheart, Joshua

<120> Expression of G Protein-Coupled Receptors with Altered
Ligand Binding and/or Coupling Properties

<130> CPI-099

<140> 09/362,286

<141> 1999-07-27

<160> 47

<170> PatentIn Ver. 2.0

<210> 1

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: receptor
sequence motif

<400> 1

Leu Ala Tyr Ser Asn Ser Ser Val Asn Pro Ile Ile Tyr Ala Phe Leu
1 5 10 15

Ser Glu Asn Phe Arg Lys Arg Tyr Lys Gln Val
20 25

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: amino acid
sequence motif

<400> 2

Phe Arg Lys Arg
1

<210> 3

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: IL-8 receptor
motif

<400> 3

Leu Gly Phe Leu His Ser Cys Leu Asn Pro Ile Ile Tyr Ala Phe Ile
1 5 10 15

Gly Gln Asn Phe Arg Asn Gly Phe Leu Lys Met
20 25

<210> 4
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: amino acid
sequence motif

<400> 4
Phe Arg Asn Gly
1

<210> 5
<211> 27
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: galanin
receptor motif

<400> 5
Leu Ala Tyr Ser Asn Ser Ser Val Asn Pro Ile Ile Tyr Ala Phe Leu
1 5 10 15

Ser Glu Asn Phe Arg Lys Ala Tyr Lys Gln Val
20 25

<210> 6
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: amino terminal
domain conserved sequence motif

<400> 6
Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly
1 5 10

<210> 7
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: amino terminal
domain conserved sequence motif

<400> 7
Leu Leu Leu Leu Gly Ala Gly Glu
1 5

<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: G1 region
conserved sequence motif

<400> 8
Gly Ser Gly Glu Ser Gly Asp Ser Thr
1 5

<210> 9
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<220>
<223> Description of Artificial Sequence: GPA1 amino terminal
sequence motif

<400> 9
Gln Ala Arg Lys Leu Gly Ile Gln
1 5

<210> 10
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<220>
<223> Description of Artificial Sequence: G alpha
conserved sequence motif

<400> 10
Asp Val Gly Gly Gln
1 5

<210> 11
<211> 29
<212> DNA
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<220>
<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 11
cccccatgga agtaaacgta tggaatatg

29

<210> 12
<211> 27
<212> DNA
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<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 12

ccctctagag atttgaaggc acgttgg

27

<210> 13

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: IL-8 fusion
junction

<400> 13

Leu Lys Arg Ser Ala Lys Glu Leu Arg Cys Gln Cys Ile
1 5 10

<210> 14

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: MGSA fusion
junction

<400> 14

Leu Lys Arg Ala Ser Val Ala Thr Glu Leu Arg Cys Gln Cys Leu
1 5 10 15

<210> 15

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NAP2 fusion
junction

<400> 15

Leu Lys Arg Ala Glu Leu Arg Cys Met Cys Ile
1 5 10

<210> 16

<211> 57

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 16

ttaagcgtga ggcagaagct tctgctaagg aattgagatg tcaatgtatt aagactt

57

<210> 17
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 17
actctaagcc attccatcca aagttcatta aggaattgag agttattgaa tctgggtcca 59

<210> 18
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 18
cattgtgcta aactgaaat tattgttaag ttgtctgatg gtagagaatt gtgtttggat 60

<210> 19
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 19
ccaaaggaaa actgggttca aagagttggt gaaaagttct tgaagagagc tgaaaactct 60
tga 63

<210> 20
<211> 59
<212> DNA
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<220>
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oligonucleotide

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tagagtaagt ctaatacat tgacatctca attccttagc agaagcttct gcctcacgc 59

<210> 21
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 21
acaatgtgga ccagattcaa taactctcaa ttccttaatg aactttggat ggaatggct 59

<210> 22
<211> 60
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oligonucleotide

<400> 22
ctttggatcc aaacacaatt ctctaccatc agacaactta acaataattt cagtgttagc 60

<210> 23
<211> 61
<212> DNA
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<220>
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oligonucleotide

<400> 23
gatctcaaga gttttcagct ctcttcaaga acttttcaac aactctttga acccagtttt 60
c 61

<210> 24
<211> 34
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 24
ccgcttaagc gttctgctaa ggaattgaga tgtc 34

<210> 25
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 25
aagtatattg tattttgtac gagc 24

<210> 26
<211> 56
<212> DNA
<213> Artificial Sequence

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oligonucleotide

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ttaagcgtgc gtccgttgct acagaattga ggtgtcaatg tctacaaact ttgcaa 56

<210> 27
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 27
ggatatccacc caaagaacat tcagtcagtt aacgttaagt ccccaggtcc acactgtgc 59

<210> 28
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 28
tcagactgaa gtcatagcta cattaaagaa tggtcgtaaa gcctgtttta atcctgc 57

<210> 29
<211> 58
<212> DNA
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<223> Description of Artificial Sequence:
oligonucleotide

<400> 29
atcccccaata gtaaagaaaa tcatcgaaaa gatgttgaat agtgataaat ccaattaa 58

<210> 30
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 30
gatcttaatt ggatttatca ctattcaaca tcttttcgat gattttcttt actattgg 58

<210> 31
<211> 57
<212> DNA
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oligonucleotide

<400> 31
ggatgcagga tttaaacagg ctttacgacc attctttaat gtagctatga cttcagt 57

<210> 32

<211> 59
 <212> DNA
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 <400> 32
 ctgagcacag tgtggacctg gggacttaac gttaactgac tgaatgttct ttgggtgga 59

 <210> 33
 <211> 56
 <212> DNA
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 <223> Description of Artificial Sequence:
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 <400> 33
 taccttgcaa agtttgtaga cattgacacc tcaattctgt agcaacggac gcacgc 56

 <210> 34
 <211> 55
 <212> DNA
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 <400> 34
 ttaagcgtgc tgaattgaga tgtatgtgta tcaagaccac ctctggtatc cacc 55

 <210> 35
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 oligonucleotide

 <400> 35
 aaagaacatc caatctttgg aagttatcgg taagggtact cactgtaacc aagtt 55

 <210> 36
 <211> 55
 <212> DNA
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 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 36
 gaagttatcg ctaccttgaa ggacggtaga aagatttggt tggaccaga cgctc 55

 <210> 37
 <211> 55

<212> DNA
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<220>
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oligonucleotide

<400> 37
caagaatcaa gaagatcgtt caaaagaagt tggctggtga cgaatctgct gacta 55

<210> 38
<211> 55
<212> DNA
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<223> Description of Artificial Sequence:
oligonucleotide

<400> 38
gatctagtca gcagattcgt caccagccaa cttcttttga acgatcttct tgatt 55

<210> 39
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 39
cttgagcggt ctgggtccaa acaaattctt ctaccgtcct tcaaggtagc gataa 55

<210> 40
<211> 55
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
oligonucleotide

<400> 40
cttcaacttg gttacagtga gtacccttac cgataacttc caaagattgg atgtt 55

<210> 41
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 41
ctttgggtgg ataccagagg tggctcttgat acacatacat ctcaattcag cacgc 55

<210> 42
<211> 37
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 42

gtgactggtc tgccatggag ctggcggtcg ggaacct

37

<210> 43

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 43

cgcggatccc acatgagtac aattggt

27

<210> 44

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 44

ctgaaaattt caggaagaga tataaacaag tgttcaag

38

<210> 45

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 45

cttgaacact tgtttatatc tcttcctgaa attttcag

38

<210> 46

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 46

cccaagcttg ccaccatgga agtaaacgta tg

32

<210> 47

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 47

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30